IN THE CLAIMS

The following are Claims 1-31.

(Currently Amended) A method for manufacturing a microlens array 1. comprising:

providing a bundle of optically transparent members;

cutting the bundle of optically transparent members to form at least one sheet of optically transparent member segments;

heating the at least one sheet of optically transparent member segments to form individually curved lens segments; and

covering a portion of at least one of the lens segments with a light-shielding layer.

- 2. (Original) The method of Claim 1, wherein the microlens array forms at least a portion of a display screen.
- (Original) The method of Claim 2, wherein the display screen is part of a camera, a personal digital assistant, a telephone, a laptop, a computer monitor, a television, a photocopy screen, a projection screen, or a billboard.
- 4. (Original) The method of Claim 1, further comprising coating at least one of the lens segments.
- (Original) The method of Claim 4, wherein the coating comprises an anti-5. reflection coating and/or an anti-glare coating.
- (Original) The method of Claim 1, further comprising providing a Fresnel lens sheet, wherein light passing through the lens segments will also pass through the Fresnel lens sheet.
- (Original) The method of Claim 1, wherein a diameter of one or more of 7. members within the bundle of optically transparent members.

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- 8. (Original) The method of Claim 7, wherein the diameters of the optically transparent members at a periphery of the bundle are different than the diameters of the optically transparent members in a core area of the bundle.
- 9. (Original) The method of Claim 1, further comprising modifying at least one end of the optically transparent member segments.
- (Original) The method of Claim 9, wherein the modifying comprises modifying both ends of said optically transparent member segments.
- 11. (Original) The method of Claim 1, wherein the providing comprises adhering the optically transparent members together using an adhesive to form a honeycomb-like structure.
- 12. (Original) The method of Claim 1, wherein the optically transparent members are made of a glass, a polymer, and/or a plastic.
- 13. (Original) The method of Claim 1, wherein the lens segments comprise a convex, a concave, or a planer lens surface.
- 14. (Original) The method of Claim 1, wherein the heating comprises heating both ends of each optically transparent member segment to form a lens surface thereon.
- 15. (Original) The method of Claim 1, wherein the at least one sheet has a thickness of between about 100 µm and 2 mm.
 - 16. (Currently Amended) A display screen comprising:

optically transparent members formed as one or more microlens array sheets <u>cut</u> from a <u>bundle</u> of <u>optically transparent members</u> and adapted to provide a pathway for light, wherein each of the optically transparent members has a <u>individually curved</u> lens formed on at least one end of the optically transparent member; and

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HOZ MICHELSON DRIVE SUITB 210 IRVINE, CA 92612 (949) 152-7040 FAX (949) 752-7049 a light-shielding layer disposed adjacent to the sheet and adapted to block a portion of the light leaving each of the optically transparent members.

- 17. (Original) The display screen of Claim 16, further comprising a thin-film coating covering the lens of at least one of the optically transparent members.
- 18. (Original) The display screen of Claim 16, further comprising a Fresnel lens sheet, wherein the light passing through the lens of at least one of the optically transparent members will also pass through the Fresnel lens sheet.
- 19. (Original) The display screen of Claim 16, wherein the display screen is part of a camera, a personal digital assistant, a telephone, a laptop, a computer monitor, a television, a photocopy screen, a projection screen, or a billboard.
- 20. (Original) The display screen of Claim 16, wherein a diameter of one or more of the optically transparent members is different than other ones of the optically transparent members.
- 21. (Original) The display screen of Claim 16, wherein the optically transparent members are made of a glass, a polymer, and/or a plastic.
- 22. (Original) The display screen of Claim 16, wherein the microlens array sheet has a thickness of between about 100 μm and 2 mm.
- 23. (Original) A method for providing a display screen formed as a microlens array, the method comprising:

providing optically transparent cylindrical rods bundled together to form a structure having a honeycomb-like cross section;

cutting the bundle of optically transparent cylindrical rods to form at least one sheet of optically transparent rod segments, each optically transparent rod segment having a first end and a second end and adapted to channel light;

heating both ends to form a lens surface on said ends; and

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covering a portion of the lens surface on the first ends with a light-shielding layer.

- 24. (Original) The method of Claim 23, wherein the display screen is incorporated into a camera, a personal digital assistant, a telephone, a laptop, a computer monitor, a television, a photocopy screen, a projection screen, or a billboard.
- 25. (Original) The method of Claim 23, further comprising applying a coating over the lens surface on the first ends.
- 26. (Original) The method of Claim 23, further comprising providing a Fresnel lens sheet, wherein the light passing through the optically transparent cylindrical rods will also pass through the Fresnel lens sheet.
- 27. (Original) The method of Claim 23, wherein a diameter of one or more of the optically transparent cylindrical rods is different than other ones of the optically transparent members within the bundle.
- 28. (Original) The method of Claim 23, wherein the providing comprises adhering the optically transparent cylindrical rods together using a UV curable adhesive to form the bundle.
- 29. (Original) The method of Claim 23, wherein the optically transparent cylindrical rods are made of a glass, a polymer, or a plastic.
- 30. (Original) The method of Claim 23, wherein the lens surface comprises a convex, a concave, or a planer lens surface.
- 31. (Original) The method of Claim 23, wherein the at least one sheet of optically transparent rod segments comprises a thickness of between about 100 μm and about 2 mm.

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